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U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

U. S.
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NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

JANUARY and FEBRUARY 1977

PREPARED BY

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

STATISTICS AND ANALYSIS BRANCH

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Jan.–
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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AG NATIONAL INSTITUTE ON AGING
AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
CA NATIONAL CANCER INSTITUTE

- CM DIVISION OF CANCER TREATMENT
- CN DIVISION OF CANCER CONTROL AND REHABILITATION
- CO OFFICE OF THE DIRECTOR, NCI
- CP DIVISION OF CANCER CAUSE AND PREVENTION

DE NATIONAL INSTITUTE OF DENTAL RESEARCH
ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY NATIONAL EYE INSTITUTE
GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL NATIONAL HEART, LUNG AND BLOOD INSTITUTE
LM NATIONAL LIBRARY OF MEDICINE
NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
OD OFFICE OF THE DIRECTOR, NIH
RR DIVISION OF RESEARCH RESOURCES
TW FOGARTY INTERNATIONAL CENTER

GRANTS AND AWARDS ANNOUNCED DURING JANUARY AND FEBRUARY, 1977

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG	29	1,850,562	2	49,725												
AI	21	1,015,889			1	107,392										
AM	36	1,772,792	8	186,327	4	456,654	2	78,114	10	119,559						
CA	67	4,287,652														
CM					2	176,167										
CN					2	161,500										
CO					4	853,125										
CP					8	546,557										
DE	25	880,872														
ES	11	441,265			2	101,306			4	41,500						
EY	24	1,062,725	1	25,000			3	267,461								
GM	28	1,116,958							1	13,700						
HD	21	1,121,450			1	32,737	3	115,828	2	22,300						
HL	17	2,014,965	7	154,340												
LM					1	31,490	1	161,492					1	3,000		
NS	1	22,271	1	22,500	1	69,797										
OD					1	40,000										
RR	1	29,137			1	29,963										
TW									3	45,822						
	281	15,616,538	19	437,892	28	2,606,688	9	622,895	20	242,881			1	3,000		

*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
HL20248-01	OBERMAN, ALBERT	THE IMPACT OF HYPERTENSION INFORMATION	184,439
INSTITUTION TOTAL	1	184,439	
CITY TOTAL	1	184,439	
STATE TOTAL	1	184,439	
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
DE04635-01	WYCKOFF, RALPH W	PEPTIDES FROM DENTAL AND OSSEOUS COLLAGENS	36,327
INSTITUTION TOTAL	1	36,327	
CITY TOTAL	1	36,327	
STATE TOTAL	1	36,327	
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS			
HL20247-01	KRAUS, JESS F	THE IMPACT OF HYPERTENSION INFORMATION	153,898
EY01839-01	SILLMAN, ARNOLD J	THE CHEMICAL ENVIRONMENT AND PHOTORECEPTOR FUNCTION	29,652
INSTITUTION TOTAL	2	183,550	
CITY TOTAL	2	183,550	
IRVINE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE			
GM23445-01	BERNS, MICHAEL W	CELL DIVISION STUDIED BY LASER	27,318
AG00538-01	COTMAN, CARL W	BEHAVIORAL AND NEURAL PLASTICITY IN THE AGED RAT	251,839
AG00341-01	LANDFIELD, PHILIP W	NEUROPHYSIOLOGICAL STUDIES ON BRAIN AGING	29,495
INSTITUTION TOTAL	3	308,652	
CITY TOTAL	3	308,652	
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AI13781-01	KATZ, DAVID H	GENETIC CONTROL OF IMMUNOCOMPETENT DIFFERENTIATION	90,000

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AI13779-01	ZINKERNAGEL, ROLF M	SPECIFICITY OF VIRUS-IMMUNE T CELLS IN VITRO AND IN VIVO	89,625
INSTITUTION TOTAL	2	179,625	
CITY TOTAL	2	179,625	
LOMA LINDA			
LOMA LINDA UNIVERSITY			
HD10572-01	KISSINGER, DAVID G	DIET AND AGE AT MENARCHE	75,675
INSTITUTION TOTAL	1	75,675	
CITY TOTAL	1	75,675	
LOS ANGELES			
CHARLES R. DREW POSTGRADUATE MEDICAL SCHOOL			
CA19659-01	ALFRED, LAWRENCE J	ARYL HYDROCARBON HYDROXYLASE LEVELS: HEAD-NECK CANCER	67,680
INSTITUTION TOTAL	1	67,680	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
CA20938-01	ALFIN-SLATER, ROSLYN B	NUTRITIONAL STRESS ON AFLATOXIN-INDUCED CARCINOGENESIS	56,616
EY01844-01	FAIN, GORDON L	PHYSIOLOGY OF PHOTORECEPTORS	63,056
GM23674-01	GRUNSTEIN, MICHAEL	MOLECULAR BASIS FOR HISTONE GENE EXPRESSION	106,570
EY01865-01	MONTGOMERIE, JOHN Z	CANDIDA ENDOPHTHALMITIS WITH IV HYPERALIMENTATION	39,837
AG00162-01	ZAMENHOF, STEPHEN	PRENATAL MALNUTRITION AND AGING	40,135
INSTITUTION TOTAL	5	306,214	
UNIVERSITY OF SOUTHERN CALIFORNIA			
CA20501-01	DISAIA, PHILIP J	GYNECOLOGIC ONCOLOGY PROGRAM	36,875
AM18657-01	LERNER, ROGER L	ROLE OF SECRETIN IN HUMAN INSULIN SECRETION	29,776
CA20571-01	MARTIN, SUSAN P	EPIDEMIOLOGY OF INTRACRANIAL NEOPLASMA	39,181
CA20749-01	MORROW, C PAUL	MODEL REGIONAL TROPHOBLASTIC DISEASE PROGRAM	30,685
EY01883-01	SMITH, RONALD E	EXPERIMENTAL OCULAR HISTOPLASMIC CHOROIDITIS	78,971
AG00572-01	WALSH, DAVID A	AGE DIFFERENCES IN SEMANTIC MEMORY	31,440
AG00560-01	WISNER, JAMES R, JR	AGING AND OVARIAN-UTERINE FUNCTION	35,615
INSTITUTION TOTAL	7	282,543	
CITY TOTAL	13	656,437	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
MENLO PARK			
STANFORD RESEARCH INSTITUTE			
CA20603-01	KLEID, DENNIS G	INHIBITION OF SEQUENCE-SPECIFIC DNA-PROTEIN REACTIONS	36,000
INSTITUTION TOTAL	1	36,000	
CITY TOTAL	1	36,000	
OAKLAND			
KAISER FOUNDATION HOSPITALS--KAISER FOUNDATION RESEARCH INSTITUTE			
CA19939-01	FRIEDMAN, GARY D	SURVEILLANCE FOR DRUGS THAT MAY BE CARCINOGENIC	87,508
CA20148-01	GLASS, ANDREW G	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	23,339
INSTITUTION TOTAL	2	110,847	
CITY TOTAL	2	110,847	
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
RR00922-01A1	BOETTGER, HEINZ G	MASS SPECTROMETRY RESOURCE FOR BIOMEDICAL APPLICATIONS	29,137
EY01909-01	PETTIGREW, JOHN D	COMPARATIVE PHYSIOLOGY OF BINOCULAR VISION	47,664
INSTITUTION TOTAL	2	76,801	
CITY TOTAL	2	76,801	
RIVERSIDE			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT RIVERSIDE			
AG00320-01	BUTLER, EDGAR W	SOCIAL WELL-BEING AND HEALTH OF THE AGED ACROSS TIME	119,485
ES01260-01	HAMMOCK, BRUCE D	BIODEGRADABLE PESTICIDES BASED ON HORMONE METABOLISM	27,200
INSTITUTION TOTAL	2	146,685	
CITY TOTAL	2	146,685	
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
CA20423-01	BLOIS, MARSDEN S, JR	STUDIES ON THE PATHOBIOLOGICAL CHEMISTRY OF MELANOMA	53,572
EY01869-01	COPENHAGEN, DAVID R	SYNAPTIC INTERACTION IN THE VERTEBRATE RETINA	72,792
AM19415-01A1	GOLDFINE, IRA D	BINDING OF INSULIN TO NUCLEI	36,437
HD11082-01	GOSPARDAROWICZ, DENIS J	CONTROL OF OVARIAN CELL PROLIFERATION	62,900
GM23547-01	ROSEN, STEVEN D	CELL ADHESION IN SLIME MOLDS AND HIGHER CELLS	40,132
HL20238-01	SCHEINMAN, MELVIN M	PROSPECTIVE BUNDLE BRANCH BLOCK STUDY	87,977
GM23526-01	SHETLAR, MARTIN D	PHOTO INDUCED DNA-PROTEIN CROSSLINKING IN CHROMATIN	43,213

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
GM23633-01	SPUDICH, JAMES A	PROTEINS IN CELL MOVEMENTS AND CHANGES OF CELL SHAPE	64,369
INSTITUTION TOTAL	8	461,392	
CITY TOTAL	8	461,392	
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
AG00011-01	GOTTSDANKER, ROBERT M	AGING AND PREPARATION FOR RAPID RESPONSE	28,221
INSTITUTION TOTAL	1	28,221	
CITY TOTAL	1	28,221	
STANFORD			
STANFORD UNIVERSITY			
GM23441-01	KAISER, ARMIN D	CONTROL OF MULTICELLULAR DEVELOPMENT IN MYXOBACTERIA	61,769
AM19737-01	PIZIALI, ROBERT L	STRUCTURAL CHARACTERISTICS OF THE HUMAN LUMBAR SPINE	56,903
INSTITUTION TOTAL	2	118,672	
CITY TOTAL	2	118,672	
STATE TOTAL	39	2,382,557	
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO			
GM23833-01	MC CLEARN, GERALD E	WORKSHOP ON PHARMACOGENETICS	47,671
INSTITUTION TOTAL	1	47,671	
CITY TOTAL	1	47,671	
DENVER			
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER			
GM23464-01	SOGIN, MITCHELL L	THE ROLE OF REPETITIVE DNA SEQUENCES IN GENE EXPRESSION	44,605
INSTITUTION TOTAL	1	44,605	
UNIVERSITY OF COLORADO MEDICAL CENTER			
CA17642-01A1	HENDEE, WILLIAM R	THERMOGRAPHY AT MICROWAVE AND MILLIMETER WAVELENGTHS	111,068

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
HD10494-01	WENGER, DAVID A	SPINGOMYELINASE ACTIVITY AND SPHINGOMYELIN LIPIDOSES	24,365
INSTITUTION TOTAL	2	135,433	
CITY TOTAL	3	180,038	
FORT COLLINS			
COLORADO STATE UNIVERSITY			
HL20183-01	LUMB, WILLIAM V	PORTACAVAL SHUNT AS TREATMENT FOR HYPERLIPEMIA	66,852
INSTITUTION TOTAL	1	66,852	
CITY TOTAL	1	66,852	
STATE TOTAL	5	294,561	
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
DE04657-01	ROSSOMANDO, EDWARD F	ABNORMAL PALATAL DEVELOPMENT INDUCED BY HADACIDIN	30,836
INSTITUTION TOTAL	1	30,836	
CITY TOTAL	1	30,836	
NEW HAVEN			
YALE UNIVERSITY			
CA19499-01	EVANS, ALFRED S	CHILDHOOD ENVIRONMENT AND HODGKIN'S DISEASE	40,185
CA20556-01	KELSEY, JENNIFER L	ESTROGENS AND GENITAL CANCERS, A CASE-CONTROL STUDY	83,430
AM19742-01	MALAWISTA, STEPHEN E	CONTROL OF LYSOSOMAL MOVEMENTS IN HUMAN LEUKOCYTES	41,000
AI13727-01	SHOPE, ROBERT E	ANTIGENIC PROPERTIES OF BACULOVIRUSES	38,416
AG00112-01	WEISS, ROBERT M	AGE DEPENDENT FACTORS IN URETERAL FUNCTION	36,433
INSTITUTION TOTAL	5	239,464	
CITY TOTAL	5	239,464	
STORRS			
UNIVERSITY OF CONNECTICUT			
HD10478-01	GOLDMAN, BRUCE D	ENVIRONMENTAL AND HORMONAL FACTORS IN HIBERNATION	37,650
INSTITUTION TOTAL	1	37,650	
CITY TOTAL	1	37,650	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	7	307,950	
DELAWARE			
WILMINGTON			
WILMINGTON MEDICAL CENTER			
CA20743-01	FRELICK, ROBERT W	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	20,121
INSTITUTION TOTAL	1	20,121	
CITY TOTAL	1	20,121	
STATE TOTAL	1	20,121	
DIST OF COL			
WASHINGTON			
AMERICAN NATIONAL RED CROSS			
AM19719-01	INGHAM, KENNETH C	SUBUNIT INTERACTIONS IN GLYCOPROTEIN HORMONES	51,700
INSTITUTION TOTAL	1	51,700	
CARNEGIE INSTITUTION OF WASHINGTON, D. C.			
GM23469-01	SUZUKI, YOSHIAKI	REGULATORY MECHANISMS OF SILK FIBROIN GENES	49,000
INSTITUTION TOTAL	1	49,000	
GEORGE WASHINGTON UNIVERSITY			
CA20767-01	HARDER, HAROLD C	TEMPLATE INACTIVATION BY PLATINUM COMPOUNDS	49,800
INSTITUTION TOTAL	1	49,800	
GEORGETOWN UNIVERSITY			
AM19610-01	RECANT, LILLIAN	PANCREATIC AND INTESTINAL GLUCAGONS IN RATS AND MAN	39,366
INSTITUTION TOTAL	1	39,366	
HOWARD UNIVERSITY			
CA18510-01A1	WHITE, JACK E	CANCER CENTER COMMUNITY OUTREACH DEVELOPMENTAL GRANT	246,319
INSTITUTION TOTAL	1	246,319	
CITY TOTAL	5	436,185	
STATE TOTAL	5	436,185	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA			
DE04617-01	BIRDSELL, DALE C	MECHANISM OF VIRULENCE OF ACTINOMYCES VISCOSIS T14V	46,446
HD10436-01	ROBERTS, ROBERT M	SEX STEROID ACTION ON CULTURED UTERINE EPITHELIAL CELLS	25,350
INSTITUTION TOTAL	2	71,796	
CITY TOTAL	2	71,796	
MIAMI			
UNIVERSITY OF MIAMI			
HL21568-01	RYAN, UNA A	CELL BIOLOGY OF THE ALVEOLAR-CAPILLARY UNIT	75,000
HL21096-01	WISE, GARY E	SICKLE CELL CRISIS: ROLE OF THE ERYTHROCYTE MEMBRANE	35,000
INSTITUTION TOTAL	2	110,000	
CITY TOTAL	2	110,000	
STATE TOTAL	4	181,796	
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
AG00132-01A2	LA VIA, MARIANO F	B LYMPHOCYTE ACTIVATION IN YOUNG AND AGED MICE	27,881
CA20549-01	RAGAB, ABDELSALAM H	SOUTHWEST ONCOLOGY GROUP (CLINICAL)	55,995
INSTITUTION TOTAL	2	83,876	
CITY TOTAL	2	83,876	
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
AM19735-01	GELFANT, SEYMOUR	THE CELL CYCLE IN PSORIASIS	49,953
DE04394-01	OUTHWAITE, WILLIAM C	PIN AND SLOT RETENTION IN AMALGAM AND COMPOSITE MATERIAL	32,715
INSTITUTION TOTAL	2	82,668	
CITY TOTAL	2	82,668	
STATE TOTAL	4	166,544	
IDAHO			
MOSCOW			
UNIVERSITY OF IDAHO			
GM23436-01	KLUETZ, MICHAEL D	DIAMINE OXIDASE: ITS ACTION AND ROLE IN RAPID GROWTH	25,245
INSTITUTION TOTAL	1	25,245	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	25,245	
STATE TOTAL	1	25,245	
ILLINOIS			
CHICAGO			
NORTHWESTERN UNIVERSITY			
CA20876-01	LOGEMANN, JERILYN A	PROSTHETIC REHABILITATION OF OROPHARYNGEAL CANCER	63,135
INSTITUTION TOTAL	1	63,135	
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
CA20371-01	ECONOMOU, STEVEN G	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	24,558
INSTITUTION TOTAL	1	24,558	
UNIVERSITY OF CHICAGO			
DE04599-01	GRABER, THOMAS M	LONG-TERM EFFECTS OF HEAVY FORCE ON THE MAXILLA	51,526
INSTITUTION TOTAL	1	51,526	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE			
ES01479-01	KHAN, M A	EFFECTS AND METABOLISM OF PHOTOISOMERS OF CYCLODIENES	42,035
INSTITUTION TOTAL	1	42,035	
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
EY01821-01	TAO, ROBERT V	BIOCHEMISTRY AND METABOLISM OF LENTICULAR CERAMIDES	25,830
INSTITUTION TOTAL	1	25,830	
CITY TOTAL	5	207,084	
EDWARDSVILLE			
SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE			
DE04447-01A1	BROWN, DAVID G	SALIVARY GLANDS, POLYAMINES AND CHEMOTHERAPY	16,513
INSTITUTION TOTAL	1	16,513	
CITY TOTAL	1	16,513	
EVANSTON			
NORTHWESTERN UNIVERSITY			
AM20443-01	BERGMAN, RICHARD N	QUANTITATIVE STUDIES OF METABOLIC ORGAN DYNAMICS	51,717

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
EVANSTON			
NORTHWESTERN UNIVERSITY			
GM23440-01	SPEAR, BRIAN B	ORGANIZATION OF GENE-SIZED DNA PIECES IN OXYTRICHA	41,281
INSTITUTION TOTAL	2	92,998	
CITY TOTAL	2	92,998	
STATE TOTAL	8	316,595	
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON			
GM23725-01	CORDES, EUGENE H	WORKSHOP ON ISOTOPE-EFFECT CALCULATION	5,835
GM23535-01	KOCHI, JAY K	MODELS FOR BIOLOGICAL ELECTRON TRANSPORT	14,304
INSTITUTION TOTAL	2	20,139	
CITY TOTAL	2	20,139	
INDIANAPOLIS			
INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS			
DE04387-01A1	ALLMANN, DAVID W	EFFECT OF FLUORIDE ON CAMP AND GLUCOSE METABOLISM	29,828
INSTITUTION TOTAL	1	29,828	
CITY TOTAL	1	29,828	
STATE TOTAL	3	49,967	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
AM19624-01	CHONKO, ARNOLD M	MECHANISM OF URIC ACID TRANSPORT IN THE NEPHRON	61,700
AI13029-01A1	CLANCY, JOHN, JR	GVHD: ROLE OF FC, C3 RECEPTORS AND LYMPHOCYTE HOMING	23,836
INSTITUTION TOTAL	2	85,536	
CITY TOTAL	2	85,536	
LAWRENCE			
UNIVERSITY OF KANSAS			
ES01375-01	HANZLIK, ROBERT P	METABOLISM AND TOXICITY OF ORGANOMETALLIC AGENTS	45,312
INSTITUTION TOTAL	1	45,312	
CITY TOTAL	1	45,312	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	3	130,848	
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
AM19693-01	OTT, COBEN E	RENAL REGULATION OF SALT AND WATER BALANCE	29,923
INSTITUTION TOTAL	1	29,923	
CITY TOTAL	1	29,923	
STATE TOTAL	1	29,923	
LOUISIANA			
NEW ORLEANS			
TULANE UNIVERSITY			
DE04653-01	KLAWITTER, JEROME J	A COMPARISON OF A12 03 AND CARBON DENTAL IMPLANTS	74,072
INSTITUTION TOTAL	1	74,072	
CITY TOTAL	1	74,072	
STATE TOTAL	1	74,072	
MAINE			
ORONO			
UNIVERSITY OF MAINE SYSTEM--UNIVERSITY OF MAINE AT ORONO			
AM19445-01	LERNER, JOSEPH	GENETIC ASPECTS OF AMINO ACID TRANSPORT SYSTEMS	17,386
INSTITUTION TOTAL	1	17,386	
CITY TOTAL	1	17,386	
STATE TOTAL	1	17,386	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HD11134-01	BRUSILOW, SAUL W	UREA CYCLE ENZYMOPATHIES: GENETICS, METABOLISM & THERAPY	85,595
INSTITUTION TOTAL	1	85,595	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE			
HL20245-01	APOSTOLIDES, ARISTIDE Y	THE IMPACT OF HYPERTENSION INFORMATION	154,921

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND			
BALTIMORE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE			
AM19256-01	HUANG, SHIH-WEN	ETIOLOGY OF DIABETES MELLITUS IN INFANCY AND CHILDHOOD	44,184
INSTITUTION TOTAL	2	199,105	
CITY TOTAL	3	284,700	
BETHESDA			
U.S. DEPARTMENT OF DEFENSE--UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES			
HL21155-01	OVERBACK, HENRY W	IONS, WATER, AND HYPERTENSION	10,100
INSTITUTION TOTAL	1	10,100	
CITY TOTAL	1	10,100	
STATE TOTAL	4	294,800	
MASSACHUSETTS			
BOSTON			
BOSTON BIOMEDICAL RESEARCH INSTITUTE			
AG00100-01	WOHLRAB, HARTMUT	SUPPORT FOR BIOMEDICAL RESEARCH	37,128
INSTITUTION TOTAL	1	37,128	
CHILDREN'S HOSPITAL MEDICAL CENTER			
CA20462-01	GILLES, FLOYD H	EPIDEMIOLOGIC PATHOLOGY OF CHILDHOOD BRAIN TUMORS	70,587
DE04641-01	LIAN, JANE B	ROLE OF Y-CARBOXYGLUTAMIC ACID IN BONE AND ENAMEL	22,222
INSTITUTION TOTAL	2	92,809	
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION			
EY01846-01	DOANE, MARSHALL G	THE INTERACTION OF LIDS AND TEARS IN CORNEAL WETTING	57,073
EY01830-01	THOFT, RICHARD A	METABOLISM OF OCULAR SURFACE EPITHELIUM	43,925
INSTITUTION TOTAL	2	100,998	
FORSYTH DENTAL CENTER			
DE04236-01A1	HEELEY, JOHN D	ADAPTIVE GROWTH POTENTIAL OF EMBRYONIC CARTILAGE	38,470
INSTITUTION TOTAL	1	38,470	
HARVARD UNIVERSITY			
CA19567-01	BENJAMIN, THOMAS L	MECHANISM OF CELL TRANSFORMATION BY POLYOMA VIRUS	79,671

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
GM23270-01	DAVIS, MICHAEL A	CHEMISTRY OF TECHNETIUM RELATED TO NUCLEAR MEDICINE	91,499
HL20054-01	GIMBRONE, MICHAEL A, JR	CULTURED BLOOD VESSEL CELLS: PATHOPHYSIOLOGY	89,547
CA19619-01	MAC MAHON, BRIAN	CHILDHOOD ENVIRONMENT AND HODGKIN'S DISEASE	118,448
INSTITUTION TOTAL	4	379,165	
MASSACHUSETTS GENERAL HOSPITAL			
CA19797-01	WEISMAN, AVERY D	PSYCHOSOCIAL INTERVENTIONS IN CANCER CARE	186,390
AM19270-01	WITTERS, LEE A	REGULATION OF HEPATIC METABOLISM BY INSULIN	51,641
INSTITUTION TOTAL	2	238,031	
SIDNEY FARBER CANCER INSTITUTE			
GM23614-01	RUBIN, GERALD M	STUDIES ON CONTROL OF GENE EXPRESSION IN ANIMAL CELLS	56,000
CA20260-01	SCHAFFER, PRISCILLA A	TRANSFORMING GENES OF HERPES SIMPLEX VIRUS	78,025
INSTITUTION TOTAL	2	134,025	
TUFTS UNIVERSITY			
DE04487-01	SHAPIRO, EVERETT	PULSATING FORCES IN ORTHODONTICS	40,498
INSTITUTION TOTAL	1	40,498	
CITY TOTAL	15	1,061,124	
CAMBRIDGE			
HARVARD UNIVERSITY			
AM19801-01	RADIN, ERIC L	BONE-CEMENT INTERFACE AFTER JOINT REPLACEMENT	153,063
INSTITUTION TOTAL	1	153,063	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
AG00354-01	BELL, EUGENE	ANALYSIS OF AGING IN CELL LINEAGES	114,823
AI14269-01	BEVAN, MICHAEL J	CYTOTOXIC RESPONSE TO HISTOCOMPATIBILITY ANTIGENS	57,800
CA20631-01	COHEN, DAVID	MAGNETIC DETECTION OF INJURY CURRENT FROM TUMORS	50,158
HL20219-01	CRAVALHO, ERNEST G	CRYOPRESERVATION OF THE ISOLATED HEART	71,352
GM23403-01	GRIFFIN, ROBERT G	SOLID STATE NMR STUDIES OF AMINO ACIDS AND PEPTIDES	35,570
HL20079-01	SALZMAN, EDWIN W	THROMBORESISTANT MATERIALS	321,175
GM23562-01	SCHIMMEL, PAUL R	GENETIC APPROACHES TO PROTEIN-NUCLEIC ACID INTERACTIONS	29,726
INSTITUTION TOTAL	7	680,604	
CITY TOTAL	8	833,667	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
GM24420-01	ABERHART, DONALD J	STEREOCHEMISTRY IN VALINE AND LEUCINE METABOLISM	30,425
INSTITUTION TOTAL 1		30,425	
CITY TOTAL 1		30,425	
SPRINGFIELD			
MEDICAL CENTER OF WESTERN MASSACHUSETTS			
CA20182-01	DE CONTI, RONALD C	EASTERN COOPERATIVE ONCOLOGY GROUP	38,344
INSTITUTION TOTAL 1		38,344	
CITY TOTAL 1		38,344	
WALTHAM			
BRANDEIS UNIVERSITY			
GM23549-01	ROSBASH, MICHAEL M	ORGANIZATION OF YEAST RIBOSOMAL PROTEIN GENES	42,200
AI13806-01	STOUT, ROBERT D	T-LYMPHOCYTE DIFFERENTIATION AND ITS REGULATION	74,392
INSTITUTION TOTAL 2		116,592	
CITY TOTAL 2		116,592	
STATE TOTAL 27		2,080,152	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
DE04600-01	FOX, JEFFREY L	HYDROXYAPATITE REMINERALIZATION: THE ROLE OF FLUORIDE	26,430
AI13842-01	JONES, GARTH W	VIRULENCE DETERMINANTS OF SALMONELLAE	39,389
AG00767-01A2	ROSS, MURIEL D	OTOCONIAL FORMATION AND DEGENERATION	28,632
NS13428-01	ROSS, MURIEL D	IDENTIFICATION OF SOURCE(S) OF COCHLEAR EFFERENTS	22,271
AM19602-01	WHITFIELD, CAROLYN D	CHARACTERIZATION OF ANIMAL CELL CARBOHYDRATE MUTANTS	44,885
INSTITUTION TOTAL 5		161,607	
CITY TOTAL 5		161,607	
DETROIT			
WAYNE STATE UNIVERSITY			
EY01889-01	ESSNER, EDWARD S	CYTOCHEMICAL STUDIES OF RAT, RETINAL DYSTROPHIES	30,961
EY01874-01	HARDING, CLIFFORD V	TISSUE GROWTH IN THE NORMAL AND INJURED EYE	46,492

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MICHIGAN			
DETROIT			
WAYNE STATE UNIVERSITY			
GM23690-01	JOHNSON, PAUL H	RESTRICTION ENDONUCLEASE MECHANISMS AND DNA STRUCTURE	51,959
EY01855-01	MAISEL, HARRY	PLASMA MEMBRANE PROTEINS OF OCULAR LENS CELLS	40,200
INSTITUTION TOTAL	4	169,612	
CITY TOTAL	4	169,612	
SAGINAW			
SAGINAW COOPERATIVE HOSPITALS			
CA20647-01	DIMITROV, NIKOLAY V	PRIMARY BREAST CANCER THERAPY (NSABP)	16,473
INSTITUTION TOTAL	1	16,473	
CITY TOTAL	1	16,473	
STATE TOTAL	10	347,692	
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
CA20530-01	ABUL-HAJJ, YUSUF J	METABOLISM OF STEROIDS BY HUMAN BREAST CANCER	14,650
CA20564-01	BUCHWALD, HENRY	CANCER CHEMOTHERAPY WITH A TOTALLY IMPLANTABLE PUMP	20,000
AM19764-01	HENDERSON, LA VELL M	CARNITINE BIOSYNTHESIS; TRIMETHYLLYSINE FISSION	31,795
INSTITUTION TOTAL	3	66,445	
CITY TOTAL	3	66,445	
SAINT PAUL			
UNIVERSITY OF MINNESOTA			
ES01283-01A1	LAKOWICZ, JOSEPH R	PASSIVE DIFFUSIONAL TRANSPORT IN MEMBRANES	25,171
INSTITUTION TOTAL	1	25,171	
CITY TOTAL	1	25,171	
STATE TOTAL	4	91,616	
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
DE04601-01	CARNES, DAVID L, JR	PARATHYROID AND VITAMIN D CONTROL OF BONE AND KIDNEY	10,000

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA			
ES01316-01	KNOWLES, CHARLES O	METABOLISM AND MODE OF ACTION OF ACARICIDE CHEMICALS	25,905
INSTITUTION TOTAL	2	35,905	
CITY TOTAL	2	35,905	
KANSAS CITY			
UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT KANSAS CITY			
DE04276-01A1	ELATTAR, TAWFIK M	PROSTAGLANDINS, CYCLIC AMP AND STEROIDS IN GINGIVA	36,401
INSTITUTION TOTAL	1	36,401	
CITY TOTAL	1	36,401	
SAINT LOUIS			
JEWISH HOSPITAL OF ST. LOUIS			
AM20521-01	AVIOLI, LOUIS V	RENAL FUNCTION OF BONE METABOLISM	65,000
INSTITUTION TOTAL	1	65,000	
CITY TOTAL	1	65,000	
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
GM23504-01	JOHNSON, GEORGE B	KINETIC STUDIES OF "HIDDEN" ELECTROPHORETIC VARIATION	30,000
AM19645-01	NELSON, JAMES S	DIABETIC AUTONOMIC NEUROPATHY	40,475
AI13782-01	SCHWARTZ, BENJAMIN D	STRUCTURAL AND CHEMICAL STUDIES ON MHC ANTIGENS	58,964
INSTITUTION TOTAL	3	129,439	
CITY TOTAL	3	129,439	
STATE TOTAL	7	266,745	
NEW JERSEY			
NEW BRUNSWICK			
RUTGERS UNIVERSITY			
HD10588-01	COLLIER, GEORGE H	THE DETERMINANTS OF REINFORCEMENT	49,652
INSTITUTION TOTAL	1	49,652	
CITY TOTAL	1	49,652	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW JERSEY			
NEWARK			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY			
DE04334-01	MOSKOWITZ, HARVEY D	IMPROVING AND DEVELOPING RESIN COMPOSITES	24,668
DE04334-01A1	MOSKOWITZ, HARVEY D	EVALUATION OF NEW FILLERS FOR DENTAL COMPOSITE RESINS	24,668
INSTITUTION TOTAL	2	49,336	
CITY TOTAL	2	49,336	
PISCATAWAY			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--RUTGERS MEDICAL SCHOOL			
AM19626-01	BRODSKY, BARBARA M	X-RAY DIFFRACTION OF CONNECTIVE TISSUE	57,801
INSTITUTION TOTAL	1	57,801	
CITY TOTAL	1	57,801	
PRINCETON			
PRINCETON UNIVERSITY			
EY01872-01	PATON, MARTHA C	EXPERIMENTS ON THE DEVELOPMENT OF NEURAL PATHWAYS	49,203
INSTITUTION TOTAL	1	49,203	
CITY TOTAL	1	49,203	
STATE TOTAL	5	205,992	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
AM18681-01	EATON, R PHILIP	GLUCAGON REGULATION OF KETOGENESIS IN DIABETIC MAN	53,225
CA20379-01	KLIGERMAN, MORTON M	RADIATION THERAPY ONCOLOGY GROUP	20,513
INSTITUTION TOTAL	2	73,738	
CITY TOTAL	2	73,738	
STATE TOTAL	2	73,738	
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH			
AI13813-01	GRUFT, HOWARD	EPIDEMIOLOGY OF INFECTION WITH ATYPICAL MYCOBACTERIA	57,747
AI13761-01	HELMSTETTER, CHARLES E	PLASMIDS AND INTEGRATIVE SUPPRESSION IN E. COLI	26,298
INSTITUTION TOTAL	2	84,045	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE			
HD10643-01	PENN, NATHAN W	RETARDATION OF BRAIN DNA	59,375
INSTITUTION TOTAL	1	59,375	
STATE UNIVERSITY OF NEW YORK AT ALBANY			
AM19787-01	KING, TSOO E	A SYMPOSIUM ON OXIDASES (ISOX-III)	13,000
INSTITUTION TOTAL	1	13,000	
CITY TOTAL	4	156,420	
BINGHAMTON			
STATE UNIVERSITY OF NEW YORK AT BINGHAMTON			
ES01465-01	SHRIFT, ALEX	ASSIMILATION OF SE INTO HUMAN GLUTATHIONE PEROXIDASE	47,375
INSTITUTION TOTAL	1	47,375	
CITY TOTAL	1	47,375	
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CA18197-01A1	BERTRAM, JOHN S	MECHANISMS OF CARCINOGENESIS IN CELL CULTURE	46,952
INSTITUTION TOTAL	1	46,952	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
AM19708-01	ETTINGER, MURRAY J	CELLULAR DYNAMICS OF COPPER METABOLISM	48,256
INSTITUTION TOTAL	1	48,256	
CITY TOTAL	2	95,208	
HEMPSTEAD			
HOFSTRA UNIVERSITY			
ES01442-01	ERNHART, CLAIRE B	PRESCHOOL SUBCLINICAL LEAD AND SCHOOL AGE PERFORMANCES	37,748
INSTITUTION TOTAL	1	37,748	
CITY TOTAL	1	37,748	
ITHACA			
CORNELL UNIVERSITY			
AM19625-01	ARION, WILLIAM J	GLUCOSE 6-PHOSPHATASE AND HEPATIC GLUCOSE PRODUCTION	41,979

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ITHACA			
CORNELL UNIVERSITY			
AI13647-01	HORST, R KENNETH	REPLICATION MECHANISMS OF SMALL INFECTIOUS RNAS	25,850
INSTITUTION TOTAL	2	67,829	
CITY TOTAL	2	67,829	
LAKE PLACID			
TISSUE CULTURE ASSOCIATION--W. ALTON JONES CELL SCIENCE CENTER			
HL21008-01	DOUGLAS, WILLIAM H	EFFECT OF POLLUTANTS ON ORGANOTYPIC LUNG CULTURES	28,806
INSTITUTION TOTAL	1	28,806	
CITY TOTAL	1	28,806	
NEW YORK			
CITY UNIVERSITY OF NEW YORK--BROOKLYN COLLEGE			
AG00554-01	COTTRELL, STEPHEN F	THE STUDY OF AGING IN VOLVOX--ROLE OF MITOCHONDRIA	20,000
GM23456-01	NISHIURA, JAMES T	BIOCHEMICAL-GENETICS OF EUCARYOTIC RNA POLYMERASES	20,100
INSTITUTION TOTAL	2	40,100	
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
EY01708-01A1	BODIS-WOLLNER, IVAN G	PARALLEL PATHWAYS IN HUMAN VISION	48,379
EY01867-01	CANDIA, OSCAR A	INTERDISCIPLINARY RESEARCH CENTER FOR VISUAL SCIENCES	100,294
HL18102-01	ULICK, STANLEY	ROLE OF THE ADRENAL CORTEX IN HUMAN HYPERTENSION	50,000
INSTITUTION TOTAL	3	198,673	
CITY UNIVERSITY OF NEW YORK--QUEENS COLLEGE			
EY01631-01A1	SZALAY, JEANNE	REGULATION OF IRIS BLOOD VESSEL REACTIVITY IN AGING	42,419
INSTITUTION TOTAL	1	42,419	
COLUMBIA UNIVERSITY			
HD10155-01	CHASALOW, FRED I	ANDROGEN AND 16-ANDROSTENE BIOCHEMISTRY IN TESTIS	38,766
AG00276-01	COTE, LUCIEN J	SENESCENCE; NEUROCHEMICAL AND CYTOLOGICAL STUDIES	71,294
AI13790-01	ENSINGER, MARCIA J	TEMPERATURE-SENSITIVE MUTANTS OF VACCINIA VIRUS	52,797
CA20836-01	GODMAN, GABRIEL C	CYTOCHALASINS AND CELL MEMBRANE CONTRACTILE APPARATUS	43,250
CA20510-01	HOCHBERG, RICHARD B	STEROID HORMONES IN BREAST CANCER	67,239
AG00137-01	HANDL, INES	AGING CHANGES IN ELASTIN AND COLLAGEN COMPOSITION	29,257
DE04303-01A1	NIKIAS, MATA K	COMPLIANCE FACTORS IN CARIES PREVENTION	73,062
AM19652-01	REEMTSMA, KEITH	PANCREATIC ISLET TRANSPLANTATION	172,287
INSTITUTION TOTAL	8	547,952	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
COMMUNITY BLOOD COUNCIL OF GREATER NEW YORK			
AM19631-01	RUBINSTEIN, PABLO	THE HL-A SYSTEM AND THE GENETICS OF JUVENILE DIABETES	110,483
INSTITUTION TOTAL	1	110,483	
HOSPITAL FOR SPECIAL SURGERY			
AM19776-01	LANE, JOSEPH M	MOLECULAR BIOLOGY OF FRACTURE, INJURY AND REPAIR	40,536
INSTITUTION TOTAL	1	40,536	
NEW YORK MEDICAL COLLEGE			
AG00177-01	COOPERMAN, JACK M	RIBOFLAVIN DEFICIENCY IN THE AGED	46,013
INSTITUTION TOTAL	1	46,013	
NEW YORK UNIVERSITY			
CA20802-01	CARROLL, ROBERT B	BIOCHEMICAL AND FUNCTIONAL PROPERTIES OF SV40 T ANTIGEN	50,624
AI13809-01	GIGLI, IRMA	ACTIVATION OF THE COMPLEMENT SYSTEM	79,314
CA20703-01	LEHNEIS, HANS R	ADVANCED PROSTHETICS/ORTHOTICS IN CANCER MANAGEMENT	80,000
CA20999-01	TROLL, WALTER	FAT LEVEL AND SATURATION IN CARCINOGENESIS	73,401
INSTITUTION TOTAL	4	283,339	
ROCKEFELLER UNIVERSITY			
ES01586-01	BICKERS, DAVID R	SKIN METABOLISM OF DRUGS, CARCINOGENS AND THE PCB'S	62,123
HD10655-01	PFAFF, DONALD W	CHARACTERIZATION OF HORMONE-CONCENTRATING NEURONS	39,860
INSTITUTION TOTAL	2	101,983	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
AI13759-01	ABBOTT, JOAN	ONTOGENY OF B-LYMPHOCYTES IN VITRO	45,134
CA20660-01	LEVINE, PHILIP	MUTANT A, P1 ANTIGENS IN MALIGNANCY, CYTOTOXICITY	27,805
AM19741-01	MURPHY, MARTIN J, JR	IDENTITY AND CHARACTERISTICS OF ERYTHROID STEM CELLS	35,796
INSTITUTION TOTAL	3	108,735	
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--PHS HOSPITAL			
AG00207-01A1	MALEY, FRANK	MODEL SYSTEM TO STUDY CELL DIFFERENTIATION AND AGING	155,702
INSTITUTION TOTAL	1	155,702	
YESHIVA UNIVERSITY			
CA19019-01A1	BAUM, GILBERT	ULTRASOUND MAMMOGRAPHY	97,327

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
YESHIVA UNIVERSITY			
HD10559-01	GOLDSMITH, DAVID I	NEONATAL & MATURATIONAL PATTERN OF NA+ HOMEOSTASIS	59,610
CA19873-01	LILLY, FRANK	GENETIC CONTROL OF RESISTANCE TO FRIEND VIRUS DISEASE	71,750
CA19931-01	LILLY, FRANK	MECHANISM OF THE H-2 EFFECT ON VIRAL LEUKEMOGENESIS	79,917
HD10463-01	MORRILL, GENE A	ROLE OF STEROID AND CALCIUM IN MEIOTIC MATURATION	38,800
INSTITUTION TOTAL	5	347,404	
CITY TOTAL	32	2,023,339	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
EY01892-01	KATZ, EUGENE R	EYE DEVELOPMENT AND CATARACT FORMATION	65,754
INSTITUTION TOTAL	1	65,754	
CITY TOTAL	1	65,754	
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER			
ES01621-01	MARINO, ANDREW A	BIOLOGICAL EFFECTS OF 60 HERTZ ELECTRIC FIELDS	25,137
AM19521-01	STONER, LARRY C	TRANSPORT ACROSS SINGLE PROXIMAL TUBULE CELLS	36,827
INSTITUTION TOTAL	2	61,964	
CITY TOTAL	2	61,964	
STATE TOTAL	46	2,584,443	
NORTH CAROLINA			
CHAPEL HILL			
AMERICAN CLEFT PALATE ASSOCIATION			
DE04623-01	LINDSAY, WILLIAM K	3RD INTERNATIONAL CONGRESS--CLEFT PALATE, TORONTO, 1977	21,650
INSTITUTION TOTAL	1	21,650	
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
AM19796-01	EARP, HENRY S, III	THE REGULATION AND SIGNIFICANCE OF HEPATIC CYCLIC GMP	37,988
CA20658-01	KAUFMAN, DAVID G	CHEMICAL CARCINOGENESIS AND CELL PROLIFERATION	55,371
DE04580-01	KOCH, WILLIAM E	IN VITRO ANALYSIS OF DEVELOPING ORAL-FACIAL TISSUES	53,272
AG00256-01	PENNIALL, RALPH	MITOCHONDRIAL CHANGES IN DEVELOPMENT AND AGING	42,415
INSTITUTION TOTAL	4	189,046	
CITY TOTAL	5	210,696	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
CA19905-01	BOLOGNESI, DANI P	CHARACTERIZATION OF HUMAN BREAST CANCER GLYCOPROTEINS	39,508
HD10638-01	MANTON, KENNETH G	A DEMOGRAPHIC STUDY OF MULTIPLE CAUSES OF DEATH	57,734
AI13723-01	REISNER, EMILY G	ANALYZING HUMAN ALLOANTISERA BY ISOELECTRIC FOCUSING	33,200
INSTITUTION TOTAL	3	130,442	
CITY TOTAL	3	130,442	
RALEIGH			
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES--DOROTHEA DIX HOSPITAL			
AG00570-01	GLASCOCK, HAROLD W, JR	MODERN CARE ELDER DISABLED PATIENTS--SYSTEMS ANALYSIS	60,000
INSTITUTION TOTAL	1	60,000	
CITY TOTAL	1	60,000	
STATE TOTAL	9	401,138	
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
AM19556-01	HALL, PHILIP W, III	RENAL METABOLISM OF BETA-2 MICROGLOBULIN	19,163
HD10524-01	O'BRIEN, WILLIAM E	BIOCHEMICAL BASIS FOR HYPERGLYCINEMIA	31,858
INSTITUTION TOTAL	2	51,021	
CITY TOTAL	2	51,021	
STATE TOTAL	2	51,021	
OKLAHOMA			
NORMAN			
UNIVERSITY OF OKLAHOMA			
AG00199-01	FUNG, B M	WATER AND IONS IN MUSCLE AND COLLAGEN IN AGING	23,349
INSTITUTION TOTAL	1	23,349	
CITY TOTAL	1	23,349	
OKLAHOMA CITY			
OKLAHOMA MEDICAL RESEARCH FOUNDATION			
CA20969-01	CARUBELLI, RAOUL	SIALOGLYCOCONJUGATES IN CANCER UNDER DIETARY STRESS	27,754

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OKLAHOMA			
OKLAHOMA CITY			
OKLAHOMA MEDICAL RESEARCH FOUNDATION			
CA21019-01	MC CAY, PAUL B	DIETARY FATS AND ANTIOXIDANTS IN CARCINOGENESIS	86,425
INSTITUTION TOTAL	2	114,179	
CITY TOTAL	2	114,179	
STATE TOTAL	3	137,528	
OREGON			
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
AI13079-01A1	SMITH, GERALD R	MOLECULAR BIOLOGY OF PHAGE A OPERATOR AND TRANSCRIPTS	36,619
INSTITUTION TOTAL	1	36,619	
CITY TOTAL	1	36,619	
PORTLAND			
MEDICAL RESEARCH FOUNDATION OF OREGON			
DE04333-01A1	ZINGESER, MAURICE R	PCB AND TCDD OROFACIAL TERATOGENESIS IN M. MULATTA	65,912
INSTITUTION TOTAL	1	65,912	
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
CA20728-01	LINMAN, JAMES W	PRELEUKEMIC SYNDROME(S): STUDY GROUP PLANNING	17,878
INSTITUTION TOTAL	1	17,878	
CITY TOTAL	2	83,790	
STATE TOTAL	3	120,409	
PENNSYLVANIA			
PHILADELPHIA			
INSTITUTE FOR CANCER RESEARCH			
AI13797-01	RIBLET, ROY	GENETIC ANALYSIS OF THE IMMUNE RESPONSE	33,850
INSTITUTION TOTAL	1	33,850	
LANKENAU HOSPITAL			
CA20960-01	HOLROYDE, CHRISTOPHER P	METABOLIC STUDY OF ADULT AND PEDIATRIC CANCER PATIENTS	84,368
INSTITUTION TOTAL	1	84,368	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PHILADELPHIA			
PENNSYLVANIA HOSPITAL			
CA20187-01	LERNER, HARVEY J	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	26,791
INSTITUTION TOTAL 1		26,791	
PHILADELPHIA GERIATRIC CENTER			
AG00575-01	LAWTON, M POWELL	ACTIVITY, MORALE AND LIVING ARRANGEMENTS OF THE AGED	66,292
INSTITUTION TOTAL 1		66,292	
TEMPLE UNIVERSITY			
DE04279-01	FRIEDMAN, ROBERT D	GENETIC AND EPIDEMIOLOGICAL STUDY OF SALIVARY PROTEINS	12,812
HL21554-01	KUEPPERS, FRIEDRICH	PROTEASE INHIBITORS--PULMONARY INFLAMMATION EMPHYSEMA	35,770
CA20034-01	NICOLINI, CLAUDIO A	CORRELATIONS OF NEW AND OLD CELL KINETIC PARAMETERS	62,555
INSTITUTION TOTAL 3		111,137	
UNIVERSITY OF PENNSYLVANIA			
AM19478-01	AGUS, ZALMAN S	MECHANISMS OF HYPERCALCIURIA AND HYPERPHOSPHATURIA	29,062
CA20296-01	HARRIS, HARRY	INHERITED HUMAN ENZYME DIVERSITY	94,473
AM19483-01	MULHOLLAND, STANFORD G	ANTIBACTERIAL DEFENSE OF THE URINARY BLADDER	33,339
GM23700-01	OWEN, CHARLES S	BIOPHYSICAL PROBES OF THE LYMPOCYTE MEMBRANE	34,297
AG00275-01	SMITH, THEODORE C	PHYSIOLOGIC RESPONSES OF THE AGED TO ANESTHESIA	62,055
EY01832-01	STEVENS, JOHN K	RETINAL-RETINAL AND RETINAL-LGN NEURAL INTERACTIONS	29,129
INSTITUTION TOTAL 6		282,355	
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY			
AG00076-01	KRITCHEVSKY, DAVID	LIPID METABOLISM IN AGING	28,559
INSTITUTION TOTAL 1		28,559	
CITY TOTAL 14		633,352	
PITTSBURGH			
CARNEGIE-MELLON UNIVERSITY			
EY01824-01	FRIEDMAN, MARK B	SELECTIVE USE OF SPECIALIZED RETINAL REGIONS	8,884
EY01777-01	WADDELL, WALTER H	PROTEIN-CHROMOPHORE INTERACTIONS IN VISUAL PIGMENTS	35,075
INSTITUTION TOTAL 2		43,959	
CITY TOTAL 2		43,959	
STATE TOTAL 16		677,311	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
RHODE ISLAND			
KINGSTON			
UNIVERSITY OF RHODE ISLAND			
GM24018-01	EDELMAN, ISIDORE S	GORDON RESEARCH CONFERENCE ON HORMONE ACTION	4,000
INSTITUTION TOTAL	1	4,000	
CITY TOTAL	1	4,000	
STATE TOTAL	1	4,000	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
AI13738-01	CANTEY, JOSEPH R	STUDY OF A POSSIBLE NEW MECHANISM OF E. COLI DIARRHEA	9,921
HD10540-01	SCHWABE, CHRISTIAN	THE STRUCTURE AND FUNCTION OF RELAXIN	32,273
INSTITUTION TOTAL	2	42,194	
CITY TOTAL	2	42,194	
STATE TOTAL	2	42,194	
TENNESSEE			
KNOXVILLE			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE			
ES01323-01	FARKAS, WALTER R	ACCUMULATION OF GUANINE DUE TO HEAVY METALS	41,500
INSTITUTION TOTAL	1	41,500	
CITY TOTAL	1	41,500	
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL			
GM23638-01	GOORHA, RAKESH M	DNA-BINDING PROTEINS AND LUCKE TUMOR ASSOCIATED VIRUS	22,820
INSTITUTION TOTAL	1	22,820	
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
AI13244-01A1	BLATTEIS, CLARK M	HYPERPYREXIA THERAPY WITH HELIUM-OXYGEN	28,542
CA20939-01	PALMIERI, GENARO M	HYDROXYPROLINE IN BONE METASTASIS FROM BREAST CANCER	29,071
AM19774-01	RABKIN, RALPH	THE KIDNEY INSULIN, PROINSULIN AND C-PEPTIDE	43,887
INSTITUTION TOTAL	3	101,500	
CITY TOTAL	4	124,320	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
HL19153-01	BRIGHAM, KENNETH L	SCOR: PULMONARY EDEMA-ETIOLOGY, PATHOGENESIS	172,512
GM23593-01	HARRIS, THOMAS M	VANCOMYCIN, RISTOCETIN AND RELATED ANTIBIOTICS	41,136
CA20850-01	ONG, DAVID E	CANCER AND VITAMIN A	40,950
HD10610-01	SEAVER, SALLY S	THE HORMONAL REGULATION OF THE EXPRESSION OF A GENE	36,145
INSTITUTION TOTAL	4	290,743	
CITY TOTAL	4	290,743	
STATE TOTAL	9	456,563	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
AM19632-01	GRANT, PHILIP G	CONTROL OF MUSCLE MIGRATION IN GROWING BONES	39,671
INSTITUTION TOTAL	1	39,671	
CITY TOTAL	1	39,671	
COLLEGE STATION			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY			
CA20136-01	WOOD, RANDALL	TUMOR LIPIDS: METABOLISM AND STRUCTURAL STUDIES	52,673
INSTITUTION TOTAL	1	52,673	
CITY TOTAL	1	52,673	
DALLAS			
SOUTHERN METHODIST UNIVERSITY			
AG00171-01	SOHAL, RAJINDAR S	AGE-ASSOCIATED CELLULAR ALTERATIONS IN THE HOUSEFLY	27,663
INSTITUTION TOTAL	1	27,663	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
HD09988-01A1	MC CANN, SAMUEL M	NEURAL CONTROL OF GONADOTROPIN AND PROLACTIN SECRETION	150,228
AG00306-01	PORTER, JOHN C	HORMONE DYNAMICS & TARGET ORGANS IN AGING MEN & WOMEN	266,477
INSTITUTION TOTAL	2	416,705	
CITY TOTAL	3	444,368	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
CA20907-01	BLACK, HOMER S	EFFECTS OF DIETARY FACTORS ON UVL-CARCINOGENESIS	35,697
GM23634-01	FENWICK, RAYMOND G, JR	GENE EXPRESSION & GENETIC MAPPING IN MAMMALIAN CELLS	24,390
CA20853-01	MC CORMACK, SHIRLEY A	A MODEL FOR INDUCTION OF CHORIOCARCINOMA IN THE RAT	42,473
AI13810-01	RICH, ROBERT R	REGULATION OF CELL-MEDIATED IMMUNE RESPONSES	90,000
AG00523-01	TENG, CHRISTINA T	MECHANISM OF AGING IN THE CHICK OVARY	39,216
INSTITUTION TOTAL	5	231,776	
UNIVERSITY OF HOUSTON			
HD10252-01	GRATCH, GERALD	PIAGET'S THEORY OF INFANTS' OBJECT CONCEPTS	32,579
INSTITUTION TOTAL	1	32,579	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
HL20244-01	CUTTER, GARY R	THE IMPACT OF HYPERTENSION INFORMATION	76,684
DE04646-01	NAKAMURA, JAMES K	THE CENTRAL MECHANISMS OF DENTAL PAIN AND ANALGESIA	9,990
DE04337-01	ROSE, GEORGE G	HUMAN GINGIVAL LYSOSOMES IN VIVO AND IN VITRO	20,092
CA19311-01	WEISS, KENNETH M	GENETIC EPIDEMIOLOGY OF CANCER	132,349
INSTITUTION TOTAL	4	239,115	
CITY TOTAL	10	503,470	
RICHARDSON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT DALLAS			
HD10422-01	ROESER, ROSS J	CENTRAL AUDITORY PROCESSING IN COMMUNICATION DISORDERS	68,403
INSTITUTION TOTAL	1	68,403	
CITY TOTAL	1	68,403	
STATE TOTAL	16	1,108,585	
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
AG00568-01	DUSTMAN, ROBERT E	ELECTROPHYSIOLOGICAL INDICES OF AGING	64,180
CA20581-01	TOWNSEND, LEROY B	CELLULAR-BIOCHEMICAL STUDIES ON ANTIMETABOLITES	49,678
INSTITUTION TOTAL	2	113,858	
CITY TOTAL	2	113,858	
STATE TOTAL	2	113,858	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
CA20203-01	FOSTER, ROGER S, JR	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	27,250
INSTITUTION TOTAL	1	27,250	
CITY TOTAL	1	27,250	
STATE TOTAL	1	27,250	
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
HL19242-01	BERNE, ROBERT M	STUDY OF VASCULAR SMOOTH MUSCLE	400,932
AM19361-01	POHL, STEPHEN L	CELL BIOLOGY OF THE ADIPOCYTE	24,365
INSTITUTION TOTAL	2	425,297	
CITY TOTAL	2	425,297	
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
ES01519-01	GUZELIAN, PHILIP S, JR	PHARMACOKINETICS & TOXICITY OF KEPONE R	61,759
AI13486-01	HAAR, JACK L	IN VITRO YOLK SAC AND THYMIC LYMPHOGENESIS	24,195
CA20195-01	LAWRENCE, WALTER, JR	PRIMARY BREAST CANCER THERAPY GROUP (NSABP)	15,641
CA20453-01	NANCE, WALTER E	OVARIAN CANCER IN UNLIKE SEXED DIZYGOTIC TWINS	22,519
CA22128-01	TAUB, ROBERT N	ANTISERA TO HUMAN LEUKEMIA-ASSOCIATED ANTIGENS	62,442
INSTITUTION TOTAL	5	186,556	
CITY TOTAL	5	186,556	
STATE TOTAL	7	611,853	
WASHINGTON			
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER			
CA20525-01	EISENMAN, ROBERT N	CONTROL MECHANISMS IN AVIAN ONCORNAVIRUS REPLICATION	61,290
CA19279-01	FLETCHER, T LLOYD	APPROACHES TO CHEMICAL CARCINOGENESIS MECHANISMS	39,671
CA20551-01	ROHRSCHNEIDER, LARRY R	MECHANISMS OF ONCORNAVIRUS-INDUCED TRANSFORMATION	40,820
INSTITUTION TOTAL	3	141,781	
PACIFIC NORTHWEST RESEARCH FOUNDATION			
EY01906-01	JOHNSTONE, MURRAY A	FACTORS REGULATING AQUEOUS OUTFLOW IN GLAUCOMA	39,770
INSTITUTION TOTAL	1	39,770	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WASHINGTON			
SEATTLE			
SWEDISH HOSPITAL MEDICAL CENTER			
CA20319-01	RIVKIN, SAUL E	SOUTHWEST ONCOLOGY GROUP	27,600
INSTITUTION TOTAL	1	27,600	
UNIVERSITY OF WASHINGTON			
DE04502-01	COHEN, M MICHAEL, JR	CRANIOFACIAL ANOMALY SYNDROMES	48,505
AG00013-01	DOUGLAS, ROBERT J	AGING AND INHIBITION	21,338
HD10340-01	GUNTHEROTH, WARREN G	HYPOXIA IN SUDDEN INFANT DEATH SYNDROME	49,984
AG00573-01	HARKINS, STEPHEN W	BRAIN ELECTRICAL POTENTIALS IN AGING AND DEMENTIA	45,625
DE04468-01	JOHNSON, DORTHEA A	EFFECT OF PAROTID FUNCTION ON SALIVA AND CELLS	33,957
AM18642-01A1	MATSEN, FREDERICK A, III	INCREASED PRESSURE IN COMPARTMENTS OF THE EXTREMITIES	38,223
HD10356-01	WOODRUM, DAVID E	ETIOLOGY OF RECURRENT APNEA AND SIDS	64,648
INSTITUTION TOTAL	7	302,280	
CITY TOTAL	12	511,431	
STATE TOTAL	12	511,431	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
CA20432-01	CARBONE, PAUL P	CLINICAL ONCOLOGY (MULTIDISCIPLINARY)	304,616
INSTITUTION TOTAL	1	304,616	
CITY TOTAL	1	304,616	
STATE TOTAL	1	304,616	
WYOMING			
LARAMIE			
UNIVERSITY OF WYOMING			
GM23586-01	JI, TAE H	CROSSLINKS OF BINDING PROTEINS TO RECEPTORS	31,524
INSTITUTION TOTAL	1	31,524	
CITY TOTAL	1	31,524	
STATE TOTAL	1	31,524	
CANADA			
LONDON			
UNIVERSITY OF WESTERN ONTARIO			
EY01833-01	PERCY, DEAN H	HERPETIC OPHTHALMITIS	14,480

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	14,480	
CITY TOTAL	1	14,480	
STATE TOTAL	1	14,480	
ISRAEL			
JERUSALEM			
HEBREW UNIVERSITY OF JERUSALEM			
EY01837-01	COHEN, A M	CHANGE OF THE HORMONAL STATUS IN DIABETIC RETINOPATHY	39,485
INSTITUTION TOTAL	1	39,485	
CITY TOTAL	1	39,485	
STATE TOTAL	1	39,485	
JAPAN			
TOKYO			
SCIENCE UNIVERSITY OF TOKYO			
EY01879-01	SATOH, KENSHI	CALCIUM-INDUCED AGGREGATION OF HUMAN LENS PROTEIN	13,400
INSTITUTION TOTAL	1	13,400	
CITY TOTAL	1	13,400	
STATE TOTAL	1	13,400	
PORTUGAL			
LISBON			
UNIVERSITY OF LISBON			
CA20671-01	DA SILVA HORTA, JORGE	TOXICITY OF ALPHA-EMITTING HEAVY ELEMENTS--INT. CONF.	24,200
INSTITUTION TOTAL	1	24,200	
CITY TOTAL	1	24,200	
STATE TOTAL	1	24,200	
SWITZERLAND			
GENEVA			
INTERNATIONAL UNION AGAINST CANCER			
CA20904-01	CANONICO, ABEL N	THE 12TH INTERNATIONAL CANCER CONGRESS (UICC)	250,000
INSTITUTION TOTAL	1	250,000	
CITY TOTAL	1	250,000	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	250,000	
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
CA20519-01	STEEL, G GORDON	THERAPEUTIC RESPONSE OF HUMAN TUMOR XENOGRAFTS	75,998
INSTITUTION TOTAL	1	75,998	
CITY TOTAL	1	75,998	
STATE TOTAL	1	75,998	
TOTAL	281	15,616,538	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA			
SAN DIEGO			
WSA, INC.			
CO75381-00	DOBSON, J	TECHNICAL ASSISTANCE TO THE RADIATION PROGRAM	12,525
INSTITUTION TOTAL	1	12,525	
CITY TOTAL	1	12,525	
STATE TOTAL	1	12,525	
COLORADO			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
CP75875-00	CUNHA, GERALD R	TISSUE INTERACTIONS--HORMONALLY INDUCED CELLULAR CHANGE	133,688
INSTITUTION TOTAL	1	133,688	
CITY TOTAL	1	133,688	
STATE TOTAL	1	133,688	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
HD72813-00	KELSEY, JENNIFER L	RELATIONSHIP OF ORAL CONTRACEPTIVES TO BREAST DISEASE	32,737
INSTITUTION TOTAL	1	32,737	
CITY TOTAL	1	32,737	
STATE TOTAL	1	32,737	
DIST OF COL			
WASHINGTON			
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE			
RR72106-00	BROWN, JANET	CONFERENCE OF SCIENCE AND MATHEMATICS FACULTY	29,963
INSTITUTION TOTAL	1	29,963	
GEORGE WASHINGTON UNIVERSITY			
NS72356-00	MOLINARI, GAETANO F	BRAIN DEATH MONOGRAPH	69,797
INSTITUTION TOTAL	1	69,797	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
DIST OF COL				
WASHINGTON				
NATIONAL ACADEMY OF SCIENCES				
ES72103-00	ROSS, PHILIP		SUPPORT OF AD HOC DIOXIN ADVISORY GROUP	8,750
OD72104-00	WHITE, ROBERT R		ACADEMY FORUM ON RECOMBINANT DNA RESEARCH	40,000
INSTITUTION TOTAL	2	48,750		
SCIENCE AND HEALTH COMMUNICATIONS GROUP				
CN35002-00	NOT APPLICABLE		OUTLINE NATIONAL CANCER ANNUAL PROGRESS REPORT	11,500
INSTITUTION TOTAL	1	11,500		
CITY TOTAL	5	160,010		
STATE TOTAL	5	160,010		
GEORGIA				
ATLANTA				
NATIONAL CYSTIC FIBROSIS RESEARCH FOUNDATION				
AM72205-00	CHERNOFF, AMOZ I		REPORTS FOR ASSESSING DIRECTIONS OF CYSTIC FIBROSIS	289,226
INSTITUTION TOTAL	1	289,226		
CITY TOTAL	1	289,226		
STATE TOTAL	1	289,226		
ILLINOIS				
CHICAGO				
IIT RESEARCH INSTITUTE				
CP75886-00	GRAY, ALLAN P		PREPARATION OF ONE (1) COMPOUND	20,749
INSTITUTION TOTAL	1	20,749		
NORTHWESTERN UNIVERSITY				
CP75876-00	REDDY, JANARDAN K		HISTOGENESIS OF GUINEA PIG PANCREATIC ADENOCARCINOMA	43,148
INSTITUTION TOTAL	1	43,148		
CITY TOTAL	2	63,897		
STATE TOTAL	2	63,897		
KENTUCKY				
LEXINGTON				
UNIVERSITY OF KENTUCKY				
LM74703-00	WILLIAMS, NOFFLET D		TO DEVELOP AND SUPPORT A CTS FACILITY	31,490

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL		1	31,490	
CITY TOTAL		1	31,490	
STATE TOTAL		1	31,490	
MARYLAND				
BETHESDA				
INFORMATION MANAGEMENT SERVICES				
CO75350-00	TAYLOR, RICHARD B		ANALYTICAL SERVICES FOR DCRRC CANCER CENTERS PROGRAM	461,060
INSTITUTION TOTAL		1	461,060	
CITY TOTAL		1	461,060	
GAITHERSBURG				
INFORMATION PLANNING ASSOCIATES				
CM77104-00	GERTZOG, JACK		SUPPORT SERVICES FOR INVESTIGATIONAL NEW DRUG REPORTS	90,195
INSTITUTION TOTAL		1	90,195	
CITY TOTAL		1	90,195	
STATE TOTAL		2	551,255	
MASSACHUSETTS				
BOSTON				
MASSACHUSETTS GENERAL HOSPITAL				
CP71007-00	ZAMECNIK, PAUL C		SEQUENCING OF RSV 35S RNA	82,500
INSTITUTION TOTAL		1	82,500	
CITY TOTAL		1	82,500	
CAMBRIDGE				
MASSACHUSETTS INSTITUTE OF TECHNOLOGY				
CP75888-00	MUNRO, HAMISH N		DIETARY PURINES AND PYRIMIDINES IN GI TRACT CANCER	14,376
INSTITUTION TOTAL		1	14,376	
CITY TOTAL		1	14,376	
STATE TOTAL		2	96,876	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MICHIGAN			
GRAND RAPIDS			
BUTTERWORTH HOSPITAL			
CN75347-00	MOOREHEAD, EDWARD L	CLINICAL ONCOLOGY PROGRAM	150,000
INSTITUTION TOTAL	1	150,000	
CITY TOTAL	1	150,000	
STATE TOTAL	1	150,000	
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CN77101-00	HELMSTETTER, CHARLES E	ISO-ANTIGENIC TYPING OF MOUSE STRAINS AND TUMORS	85,972
INSTITUTION TOTAL	1	85,972	
CITY TOTAL	1	85,972	
LAKE PLACID			
TISSUE CULTURE ASSOCIATION--W. ALTON JONES CELL SCIENCE CENTER			
AI72500-00	DOUGLAS, WILLIAM H	DIPLOID CHIMPANZEE AND HUMAN HEPATOCYTE CELL STRAINS	107,392
INSTITUTION TOTAL	1	107,392	
CITY TOTAL	1	107,392	
NEW YORK			
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
CP71003-00	BOYSE, EDWARD A	INFLUENCE OF VIRUS-RELATED GENES TO CANCER	119,247
INSTITUTION TOTAL	1	119,247	
CITY TOTAL	1	119,247	
TROY			
RENSSELAER POLYTECHNIC INSTITUTE			
AM72206-00	ZELMAN, ALLEN	HEMODIALYSIS MEMBRANES	15,000
INSTITUTION TOTAL	1	15,000	
CITY TOTAL	1	15,000	
STATE TOTAL	4	327,611	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA				
PHILADELPHIA				
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA				
CP75890-00	TO BE APPOINTED		INFORMATION SERVICES IN HUMAN TISSUE STUDY PROGRAM	3,000
INSTITUTION TOTAL	1	3,000		
INSTITUTE FOR CANCER RESEARCH				
CO75334-00	TO BE ASSIGNED		IMPLEMENT PLAN FOR COOPERATION AMONG CANCER INSTITUTES	273,562
INSTITUTION TOTAL	1	273,562		
CITY TOTAL	2	276,562		
STATE TOTAL	2	276,562		
VIRGINIA				
ARLINGTON				
KAPPA SYSTEMS				
CO75351-00	KELLY, M ROBERT		NATIONAL CANCER PROGRAM INFORMATION CLEARINGHOUSE	105,978
INSTITUTION TOTAL	1	105,978		
CITY TOTAL	1	105,978		
STATE TOTAL	1	105,978		
WASHINGTON				
SEATTLE				
UNIVERSITY OF WASHINGTON				
AM72203-00	ESCHBACH, JOSEPH W		RESPONSE TO ERYTHROPOIETIN OF ANEMIA OF CHRONIC UREMIA	137,428
ES72101-00	MILLER, BRUCE E		CARCINOGENESIS OF PETROLEUM HYDROCARBONS IN MARINE LIFE	92,556
AM72202-00	SCHMER, GOTTFRIED		FIXED RED CELL GHOSTS	15,000
INSTITUTION TOTAL	3	244,984		
CITY TOTAL	3	244,984		
STATE TOTAL	3	244,984		
UNITED KINGDOM				
EDINBURGH				
INVERESK RESEARCH INTERNATIONAL				
CP75858-00	MC GREGOR, DOUGLAS		MICROBIAL SYSTEMS AS PRESCREENS FOR CHEMICAL CARCINOGENS	129,849
INSTITUTION TOTAL	1	129,849		
CITY TOTAL	1	129,849		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	1		129,849
TOTAL	28		2,606,688

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
LM07015-01	MACY, JOSIAH, JR	COMPUTER APPLICATIONS FOR HEALTH PROFESSIONALS	161,492
INSTITUTION TOTAL	1	161,492	
CITY TOTAL	1	161,492	
STATE TOTAL	1	161,492	
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
AM07017-01	BINDER, HENRY J	GASTROENTEROLOGY	39,057
INSTITUTION TOTAL	1	39,057	
CITY TOTAL	1	39,057	
STATE TOTAL	1	39,057	
FLORIDA			
TALLAHASSEE			
STATE UNIVERSITY OF FLORIDA SYSTEM--FLORIDA STATE UNIVERSITY			
HD07082-01	NAM, CHARLES B	POPULATION (MULTIDISCIPLINARY)	45,567
INSTITUTION TOTAL	1	45,567	
CITY TOTAL	1	45,567	
STATE TOTAL	1	45,567	
ILLINOIS			
CHICAGO			
UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
EY07038-01	GOLDBERG, MORTON F	OPHTHALMOLOGY	80,187
INSTITUTION TOTAL	1	80,187	
CITY TOTAL	1	80,187	
STATE TOTAL	1	80,187	
MAINE			
BAR HARBOR			
JACKSON LABORATORY			
HD07065-01	WHITTEN, WESLEY K	REPRODUCTIVE BIOLOGY	47,704

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
INSTITUTION TOTAL	1	47,704	
CITY TOTAL	1	47,704	
STATE TOTAL	1	47,704	
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
EY07042-01	WIESEL, TORSTEN N	BASIC NEUROBIOLOGICAL SCIENCES	122,638
INSTITUTION TOTAL	1	122,638	
CITY TOTAL	1	122,638	
STATE TOTAL	1	122,638	
MINNESOTA			
ROCHESTER			
AMERICAN ACADEMY OF OPHTHALMOLOGY AND OTOLARYNGOLOGY			
EY07040-01	FINE, BEN S	OPHTHALMIC PATHOLOGY	64,636
INSTITUTION TOTAL	1	64,636	
CITY TOTAL	1	64,636	
STATE TOTAL	1	64,636	
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
AM07027-01A1	KRIEGER, DOROTHY T	ENDOCRINOLOGY (INTERDISCIPLINARY)	39,057
INSTITUTION TOTAL	1	39,057	
CITY TOTAL	1	39,057	
STATE TOTAL	1	39,057	
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HD07091-01	CLAYTON, GEORGE W	PEDIATRIC ENDOCRINOLOGY	22,557
INSTITUTION TOTAL	1	22,557	
CITY TOTAL	1	22,557	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
STATE TOTAL	1		22,557
TOTAL	9		622,895

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
GM05764-01	SYKES, ELLIS E	PHYSIOLOGY	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
HD05406-01	THOMPSON, SUE A	ENDOCRINOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND			
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
TW00178-01	COHEN, GEORGES N	MICROBIOLOGY	F15
TW00177-01	HOLZER, HELMUT	BIOCHEMISTRY	F15
TW00179-01	ORSKOV, FRITS	BACTERIOLOGY	F15
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	3		
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
AM05460-01	WILSON, GLENN L	ENDOCRINOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
AM05527-01	VIRJI, MOHAMMED A	CLINICAL PATHOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
AM05437-01	KOSCHIER, FRANCIS J	EXCRETORY PHYSIOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
NEW YORK			
COLUMBIA UNIVERSITY			
AM05301-01	PADILLA, ALFRED J	ENDOCRINOLOGY	F32
INSTITUTION TOTAL 1			
ROCKEFELLER UNIVERSITY			
HD05348-01A1	KRIEGER, MONICA R	NEUROENDOCRINOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 2			
STATE TOTAL 3			
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
ES05080-01	MILAR, KATHARINE S	DEVELOPMENTAL GENETICS	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
DURHAM			
DUKE UNIVERSITY			
ES05076-01	FARLEY, JERRY M	TOXICOLOGY/PHARMACODYNAMICS	F32

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
ES05087-01	BEATTY, PATRICK W	TOXICOLOGY/PHARMACODYNAMICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
AM05430-01	SHANAHAN, MICHAEL F	PHARMACO-ENDOCRINOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
AM05613-01	LORENZ, RODNEY A	DIABETES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
AM05523-01	GOLDSTEIN, DAVID E	DERMATOLOGY/SYPHILOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
ES05085-01	LIU, LI-MING	RADIATION	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 2			
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
AM05519-01	KANTER, ROBERT A	METABOLIC DISEASES	F32
AM05386-01	STEWART, JENNIFER K	ENDOCRINOLOGY	F32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			
THAILAND			
CHIANG MAI			
CHIANG MAI UNIVERSITY			
AM05384-01	CALAVAN, MICHAEL M	NUTRITION	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
TOTAL 20			

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
EY00058-01	HORWITZ, JOSEPH	HUMAN LENS, BIOCHEMICAL AND BIOPHYSICAL PROPERTIES	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STANFORD			
STANFORD UNIVERSITY			
HL00258-01	HUESTIS, WRAY H	NEUROTRANSMITTER RECEPTORS IN HUMAN ERYTHROCYTES	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 2			
CONNECTICUT			
MIDDLETOWN			
WESLEYAN UNIVERSITY			
AM00283-01	ALLEWELL, NORMA M	THERMODYNAMICS OF MEMBRANE-LIGAND INTERACTIONS	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
DELAWARE			
NEWARK			
UNIVERSITY OF DELAWARE			
AM00152-01	WHITE, HAROLD B, III	GLYCEROL 3-P DEHYDROGENASE AND EGG YOLK AVIDIN	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
HL00314-01	HONIG, ERIC G	PULMONARY MEDICINE	K08
INSTITUTION TOTAL 1			

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CITY TOTAL	1		
STATE TOTAL	1		
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
HL00265-01	ELLISON, ROBERT C	PRIMARY PREVENTION OF HYPERTENSION AND ATHEROSCLEROSIS	K04
INSTITUTION TOTAL	1		
NEW ENGLAND MEDICAL CENTER HOSPITAL			
AM00272-01	DWYER, JOHANNA T	NEW DIETARY TREATMENTS IN DIABETES AND OBESITIES	K04
INSTITUTION TOTAL	1		
CITY TOTAL	2		
WALTHAM			
BRANDEIS UNIVERSITY			
AG00005-01	HUDSON, ROBERT B	AGING AND HEALTH POLICY: CRITICAL POLICY LINKAGES	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
NEW YORK			
NEW YORK			
COMMUNITY BLOOD COUNCIL OF GREATER NEW YORK			
HL00261-01	STEVENS, CLADD E	POST-TRANSFUSION HEPATITIS IN CHILDREN	K04
INSTITUTION TOTAL	1		
NEW YORK UNIVERSITY			
HL00277-01	FINLAY, THOMAS H	STRUCTURE-FUNCTION STUDIES OF AHF, VWF AND AT III	K04
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	2		

NIH
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
AM00191-01A1	CARDENAS, MARY J	PYRUVATE AND PROTEIN KINASES IN METABOLIC REGULATION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
AG00006-01	LADDA, ROGER L	GROWTH FACTORS: CONTROL OF ANIMAL CELL PROLIFERATION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PHILADELPHIA			
TEMPLE UNIVERSITY			
HL00275-01	KIRBY, EDWARD P	STRUCTURE AND FUNCTION OF FACTORS VIII AND XII	K04
INSTITUTION TOTAL	1		
UNIVERSITY OF PENNSYLVANIA			
AM00258-01	AGUS, ZALMAN S	REGULATION OF RENAL CALCIUM AND PHOSPHATE TRANSPORT	K04
NS00201-01	HOGUE-ANGELETTI, RUTH A	STUDIES ON PROTEINS OF CATECHOLAMINE STORAGE VESICLES	K04
INSTITUTION TOTAL	2		
CITY TOTAL	3		
STATE TOTAL	4		
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
AM00278-01	GILLIAM, JAMES N	IMMUNOLOGIC INVESTIGATION OF LE SKIN DISEASE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
HL00272-01	KIM, SUNG W	PLATELET INTERACTIONS/INTERFACE INDUCED THROMBOSIS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
AM00212-01	HUANG, LAURA C	STRUCTURE & REGULATION OF PROTEIN KINASES	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
AM00255-01	WEIR, GORDON C	STUDIES OF GLUCAGON AND SOMATOSTATIN SECRETION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
TOTAL	19		

NIH
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
UTAH			
SALT LAKE CITY			
HOLY CROSS HOSPITAL			
LM02835-01	HUTCHISON, LEIGH	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	
TOTAL	1	3,000	

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